June Meetings

You are cordially invited
to attend a private membership
preview of

Peru's Golden Treasures

the evenings of June 21 or 22, 1978
from 6 to 8 p.m.
at the California Academy of Sciences

A dazzling tour through Peru's Golden Treasures is offered this month in place of our regular monthly meetings. Over 200 gold works of art and artifacts used by the ruling classes in pre-Hispanic Peru are on loan from the Museo Oro del Peru in Lima and the California Academy of Sciences is pleased to host this spectacular exhibition The collection spans 2000 years of ancient Peruvian history from the early Vicus culture (200 B.C.-400 A.D.) through the final days of the Inca, the "children of the sun" (1300-1532 A.D.).

To accommodate our ten thousand members, we ask that you try to follow this schedule:

If your last name begins with the letter **A** through **K**, please come the night of Wednesday, June 21.

If your last name begins with the letter **L** through **Z**, please come the night of Thursday, June 22.

If you cannot attend on "your" night, feel free to attend on the other evening; there is no need to call or write the Membership Office for special arrangements.

For these two preview nights, June 21 and 22, we must ask that you do not bring guests. Members, of course, may come to the exhibit anytime during its three month stay during regular museum hours and though we cannot extend free admission to your guests, they may purchase their tickets at the Members' Express Door and accompany you through this special entrance. Admission price to Peru's Golden Treasures for non-members is $1.00 for adults (ages 18 through 64) and 50¢ for those 12 to 17 and senior citizens 65 years of age and older. Children under 12 will be admitted free of charge if accompanied by an adult.

If you belong to another organization and would like to organize a group tour through Peru's Golden Treasures, please contact the Peru Ticket Office at the Academy for details.

A beautifully illustrated catalogue in color and black and white accompanies the show and is available at the Museum Book Store for $6.00 (less your 10% member's discount), or by mail from the Peru Ticket Office. Please add 75¢ for postage and handling.

Please make sure that you have a current membership card as you will be asked to present it at the main entrance to the Academy and again at the entrance to **Peru's Golden Treasures.** If you have let your membership lapse, or have lost your card, please contact the Membership Office well in advance of these previews so a new card can be issued to you.

Special Exhibits

Several new exhibits are on display in conjunction with **Peru's Golden Treasures.** In the Patricia Price Peterson Gallery is **Peruvian Textiles: A Weaver's Art** featuring many fine examples from the Rietz Collection. Hohfeld Gallery II, near the entrance to **Peru's Golden Treasures,** is devoted this summer to the **Peru's Natural Heritage** with skins of indigenous animals and reptiles such as llama, jaguar and boa contrictor; various minerals from the land of the Incas; and from the Lowie Museum's Wattis Collection of Nazca Pottery, a display of select pieces of ceramics which interpret the natural world as seen through the eyes of these long-ago artisans of southwest Peru. Right around the corner is an exhibit on the **Lines of the Nazca Plains** which offers many fascinating yet unproven theories about the mysterious drawings on the dessert floor of the Nazca region of Peru.

Other special exhibits now on display include **A. C. Vroman: "Shadow-Catcher",** a collection of over 50 turn-of-the-century photographs of the Indians of the American Southwest between 1895 and 1904.

Nature Nearby continues in Lower Cowell Hall Gallery with lovely color photos by Luther Linkhart. This display shows 29 mini-wilderness areas in the East Bay Regional Park District where individuals can surround themselves with the solitude of windy hilltops, a streamside nook, or a quiet meadow. Through July.

Living Arts

To enhance your visits to the Academy during our "Peruvian Summer" the Living Arts Program has expanded its schedule to Wednesday through Sunday and will present a different aspect of Peruvian culture each week.

Music and Dance of the Andes
June 21-23 — 1-4 p.m.

Raquel de Knust will demonstrate the various musical instruments in her unique Andean collection. Raquel is the director of THE MITMACS, a group which specializes in traditional Andean music.

June 24-25

THE MITMACS will perform traditional Andean music and dance. On Saturday, June 24, they will appear in the central courtyard of the Academy as part of our 125th anniversary celebrations. On Sunday, June 25, they will repeat the same program in the Wattis Hall of Man.

Peruvian Textile Arts
June 28-July — 1-4 p.m.

Dennis Penley, who is currently researching contemporary ethnographic textiles and weaving techniques in relation to pre-Columbian textiles, will show slides, samples from his collection and his work in progress — a replication of a rare pre-Columbian weaving technique.

Morrison Planetarium

The Whisper of Infinity, the current daily sky show at the Morrison Planetarium presents the history of man's search for the boundaries of the universe each Monday through Friday at 2:00 p.m., and on weekends at 12:30, 2:00 and 3:30. Beginning Saturday, June 17, **The Whisper of Infinity** will be shown each day of the week at 12:30, 2:00 and 3:30. This schedule will continue through Labor Day, September 4. Evening presentations can be seen each Wednesday and Thursday at 7:30 p.m.

Laserium

The magic of **Laserium I** and **Laserium II** continues in the comfortable surroundings of the Morrison Planetarium each Friday, Saturday and Sunday evenings. **Laserium I** can be seen on Friday, Saturday and Sunday at 9:00 p.m. **Laserium II** can be seen on Friday at 7:30 and 10:30; on Saturday at 5:00, 7:30 and 10:30; and on Sunday at 5:00 and 7:30.

Beginning Saturday, June 24 (when the Academy begins its summer hour schedule of 10 a.m. to 9 p.m.), **Laserium I** and

Laserium II can be enjoyed each night of the week, except Wednesday and Thursday. **Laserium I** will be shown at 9:00 p.m. on Friday, Saturday, Sunday, Monday and Tuesday. **Laserium II** will be shown on Sunday, Monday and Tuesday at 5:00 and 7:30, and on Friday and Saturday at 5:00, 7:30 and 10:30. Ticket prices are $3.00 for 5:00 p.m. shows and $3.25 for all others.

Inside the Academy

Summertime is Junior Academy Time! The largest and most exciting Junior Academy program ever offered will be open for registration Saturday, June 24, from 10 a.m. to 3 p.m. in the Goethe Auditorium, part of the new educational facilities at the Academy.

30 natural science subjects for students from 4 through 18 years of age will be taught in two sessions. The first session begins June 26 and continues through July 29; the second session runs July 31 through August 26. Many courses are open to interested parents this year and all of the courses will be taught in the brand new enlarged Junior Academy quarters located on the lower level of the Academy buildings.

Each class, including two extensive field courses, are taught by professional teachers, graduate students or members of the Academy staff. The classes are lab, lecture, or field work and many are a mixture of all three.

Three classes are offered to the younger set, ages 4 through 9, this year including **Lady Bugs and Butterflies, Space Exploration** and **Exploring Nature with Your Child.** (The first two classes are for children only; the latter is for children and their parents.)

For students 9 through 18 years of age the following classes are offered: **Ornithology, Mammalogy, Reproductive Biology, Herpetology, Animal Biology, Field Botany, Geology, The Shapes, Designs and Colors in Nature, Entomology, Anatomy and Physiology, Marine Biology, Invertebrate Zoology, The Biology of Coral Reefs, The Natural History of California, Parasitology, Rooftop Astronomy, Practical Observational Astronomy, UFO's and Aerial Phenomena, Useful and Edible Plants,** two classes in **Aquatic Organisms,** one taught completely in Spanish, **The Biology of Bats, Ichthyology, Freshwater Biology** (Limnology), and **Ecology and Conservation.**

Two week-long field trips are also offered. **The Natural History of the Sierra Nevada Mountains,** a repeat of last year's successful trip, takes you to Camp Leonard in the Sierras near Lake Tahoe for a week long problem solving course from August 13 through 20.

The second trip available is **A Transect of California** which will take a group of students across California from the coast to the high elevations of the White Mountains and Owens Valley in eastern California. The group will examine each biology community it passes through and spend each night at a different camp site.

The Junior Academy is bigger and better than ever so don't miss registration day on Saturday, June 24, from 10 a.m. to 3 p.m. Classes fill quickly so come early that day. Call 221-5100 or write the California Academy of Sciences for additional information and a complete class schedule and outline.

1978 marks the 125th anniversary of the founding of the California Academy of Sciences, the West's oldest scientific institution and the first organization to undertake a systematic investigation of the rich natural resources of the very young state of California. The first meeting took place at 129 Montgomery Street on April 4, 1853 and led to the legal incorporation of the Academy on June 27, 1853.

We will be giving ourselves a birthday party which you are invited to attend on Saturday, June 24 from 1 to 4 p.m. in the central courtyard at the Academy. In honor of our anniversary, and in keeping with our summer Peruvian theme, Peruvian musicians and dancers, The Mitmacs, will perform traditional Andean music and a live llama will be roaming in the courtyard for children, and adults as well, to pet. (We wish to thank the Oakland Children's Zoo for this contribution.)

Don't forget that Saturday, June 24 is also Junior Academy registration day and the first day the Academy begins its summer hours (open every day 10 until 9).

SPECIAL ALASKA FILM

"In Cold Storage", a feature documentary film by Survival Anglia, will be screened for Academy members and guests in Morrison Audtiorium on Wednesday, June 7, at 8:00 p.m.

Mr. Sven Linblad will introduce the motion picture and will be available to answer questions about both the Alaskan and Antarctic Cruising Expeditions offered through the Academy this year. (See the Travel section of this "Newsletter" for details.)

"In Cold Storage" is a superbly beautiful and excellent source of information about distant and unusual areas of Alaska which tourists have not visited, but which will be penetrated by the **M.S. Lindblad Explorer** in July and August this summer. The film is **not** a promotional presentation and admission is free of charge.

Education and Travel Notes

Highlights of Astronomy

First Course: Wednesdays, June 21, 28 and July 5

Second Course: Thursdays, July 13, 20 and 27

Have you ever wondered about the position of the earth in the cosmic scheme of things? . . . the expansion of the universe? . . . the distances of the stars? . . . or when the sun will expand to swallow the earth? Join us as we take a three session overview of astronomy with Dr. Lee Simon. $10/individual, $20/family. When registering, please be sure to indicate either the June or July sessions.

Andean Dance
Monday evening, July 10 through August 21
7:30 p.m.
Raquel De Knust, leader of The Mitmacs, assisted by dance specialists, will teach traditional Andean folk dances for six weeks, with a special finale to live music the seventh week. Families are encouraged to participate. Limited to 20 members. $15/individuals, $35/families.

Weaving Techniques of Ancient Peruvian Textiles
Tuesday evenings, July 11 through Aug. 22
7:30 p.m.
Each class member will work on his own frame loom to make samples of seven different weaving techniques shown in the Peruvian Textile exhibit now on display at the Academy. This class is especially suited to families and is restricted to 30 members. $15/individuals, $35/families, plus materials.

If you are interested in registering for these classes, call or write the Academy's Education Office.

Berkeley Botanical Garden
Wednesday, June 28
9:30 a.m.-1:00 p.m.

Just across the Bay is a fabulous garden with redwoods and cactus and California natives galore. The garden's docents will tour us through it all. The chartered bus leaves the Academy at 9:30 a.m. and will return about 1:00 p.m. $6.00 per person, members only.

Stanislaus River Trip
July 16-17

Our spring trips on the American and Stanislaus filled quite quickly and therefore, we offer you this second opportunity to run the Stanislaus with the Academy. Meals are provided from lunch on Sunday through lunch on Monday. Limited to 25 members, age 7 and older. $90 per person.

Rogue River Trip
July 29-August 2

We will spend five days river touring, including one layover day for individual fishing, hiking, or whatever appeals to you. Experienced boatmen will guide the rafts and cook the meals from lunch on Wednesday. The price is $270 per person and includes a pre-trip and a post-trip night in a motel. The trip is limited to 20 members, age 7 or older. Transportation to and from Grants Pass is not included.

Southwest Pueblo Country
July 28 to August 6

Accompany anthropologist Dr. Dorothy Washburn through the Indian Lands of the Great Southwest. This tour, first of a series of trips planned to study the cultures of the Southwest Indians, will concentrate on those of New Mexico and Southern Colorado. (See the back cover of Pacific Discovery for details, or call the Travel Office at the Academy.)

Venezuela, Trinidad, Tobago and Surinam
October 22-November 9
(Note change in date)

Dr. Edward Ross will lead this unusual trip to the rain-forested area of Angel Falls and interior nature preserves of Surinam, with a unique stop at the caves in Trinidad frequented by the Oilbirds, the subject of a National Geographic article by Dr. Ross.

Galapagos Islands
November 18-December 7

Two weeks of adventure on the sailing vessel **Encantada** in the Galapagos begins with several days in Ecuador with trip leader Ken Lucas. This trip is limited to 10 participants and will fill quickly.

More information on these Academy adventures can be found on the back cover of **Pacific Discovery** or can be obtained through the Travel Office at the Academy. (221-5100)

Because of the success of the Academy's participation in Lindblad Explorer Cruises to the Galapagos Islands, spaces are reserved for two additional cruises this year.

Lindblad Alaska Cruise
July 13-August 18

Departing from San Francisco on July 13, the Academy group will fly to Prince Rupert to board the **M.S. Lindblad Explorer.** The Alaska Wildlife Cruising Expedition will travel up the Inside Passage and into Glacier Bay, Dundas Bay, Prince William Sound, and Barren Islands. After visiting Geographic Harbor there will be stops at Shumagin Islands, Walrus Islands, Nunival Island, King Island, Little Diomede, which is kayak distance from Russia, on to St. Lawrence Islands, St. Matthew and Pinnacle Island, the fur seal islands of St. Paul and St. George in the Pribilofs, Dutch Harbor, Bogoslof Island, then Atka, Gareloi and Attu Islands. After crossing the International Date Line the ship will make a stop at Kushiro, then arrive in Yokohoma the morning of August 16. The passengers will transfer by motorcoach to Tokyo for two nights and a full day of sightseeing, then return to San Francisco on August 18. The land and cruise costs are from $4,975, plus air fare. Call the Travel Office at the Academy for information and reservations at 221-5100.

Lindblad Antarctic Cruising Expedition
November 29-December 29, 1978

Sixteen spaces are reserved for Academy members on this over-Christmas cruise to Antarctica. Flying from San Francisco, November 29, the group will have a three day visit to Lima, to see that part of the Peruvian Gold collection of Sr. Miguel Mujica Gallo which was not exhibited at the Academy this summer. The Larco Harrera Museum, and National Museums, as well as pre-Columbian ruins of Pachacamac will be among the excusions in and around Lima.

The Lindblad Explorer will be boarded at Puerto Montt, Chile on December 3. At Puerto Natales there will be a full day excursion to Mylodon Cave and Payne National Park. The cruise throughout the Fuegan Archipelago from the Pacific to the Atlantic side of South America will take two days. Four days will be spent visiting the wonderful wildlife islands in the Falkland Archipelago. In Antarctica the ship is expected to visit Hope Bay, King George Islands, Deception Island, Port Lockroy, Anvers Island, Argentine Islands and Paradise Bay. The cruise will terminate at Ushuaia, Argentina and the group will return to San Francisco via Buenos Aires, arriving Friday, December 29. The cruise, including all land arrange-

ments and excursions is priced from $4,680 to $5,640, Twin Room, with air fare extra. Call the Travel Office at the Academy for information and reservations at 221-5100.

Mr. Sven Lindblad, who will be introducing a beautiful non-commercial film on Alaska, entitled, "In Cold Storage", at 8:00 p.m., Wednesday, June 7 in Morrison Auditorium, will be available to answer any questions about either of these outstanding cruising expeditions.

New Members of the Academy

Regular Members

Mr. Thomas E. Adams
Mr. Phillip John Agard
Mr. & Mrs. Richard L. Alves
Mr. & Mrs. Adolphus Andrews III
Miss Florence Anixter
Miss Marilyn Ann Aquila
Mrs. Joanne Arnold
Mr. Mark S. Barchas
Mr. Michael Basten
Miss Bernice Biederman
Miss Karen Sue Bloom
Miss Lillian B. Blyth
Dr. & Mrs. Richard Bohannon
Mr. & Mrs. Thomas Boland
Mr. & Mrs. Donald L. Brown
Mrs. William L. Brown
Mr. Ray Burnham
Mr. & Mrs. C. J. Carlton
Mr. & Mrs. Alberto Ceffalo
Mrs. Coleen Chafian
Mr. Phil Clark
Dr. & Mrs. Roger Clawson
Mr. Frederic C. Coonradt
Miss Charlotte E. Cooper
Miss Doris Cranmore
Mr. & Mrs. Thomas J. Crystle
Mr. Dan Daly
Miss Suan Dauser
Mr. Henry Davalos
Mr. Stephen M. Dean
Dr. Barbara Dittman
Mr. George S. Duggar
Mr. William G. Eller
Mr. Wayne S. Emrich
Miss Kathryn Marie Eremia
Master Robyn Erman
Miss Joi Fernelius
Mr. Barry N. Finkel
Miss Janice Lee Fisher
Mrs. Joyce C. Foster
Mrs. Laura Galvin
Miss Jill L. Gaspar
Mrs. M. E. Gillogley
Miss Mary Gould
Mr. Donald J. Hamilton
Mr. & Mrs. Irving F. Harris
Mrs. Ellen A. Hebb
Mr. Peter S. Hertzman
Mr. Mark Heter
Mr. Kenneth E. Hill
Mr. & Mrs. John Igaz
Miss Katie Janney
Miss Barbara H. Jennings
Mr. Ted Jensen
Richard A. Johns & Susan Dean
Ms. Ann Johnson
Mrs. W. Forrest Johnson
Mr. & Mrs. David Karasick
Dr. James E. Kent
Mr. Ray Lands
Almon Larsh
Mr. Edwin R. Lassettre
Mr. Richard Lawrenz
Miss Brady Leigh
Mr. Don Lenkeit
Ms. Nina Lenzner
Dr. & Mrs. Leveton
Mr. J. Levitt
Mr. & Mrs. Francis L. Ludwig
Miss Lucille Macdonald
Mrs. Gertrude R. Machilis
Mr. Keith Marriage &
Ms. Patricia R. Mills
Dr. & Mrs. Don L. Maxfield
Miss Jeanette Mechling
Miss Eleanor Miller
Mrs. John H. Moore
Dr. H. C. Murphee
Miss Kristie Anne McCune
Mr. & Mrs. George E. McLean
Mrs. Barbara Nagle
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Mr. Robert A. Norlund
Mrs. Judith Orr
Dr. Jeannette Payne
Miss Camille Petit
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Mr. H. Ira Pilgrim
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Mr. Sidney Poss
Miss Judy Potter
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Dr. Thomas Richert
Dr. Michael Rokeach
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Mrs. Elizabeth Rush
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Ms. Cindy M. Schmidt
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Mr. Charlie Simpson
Mrs. Joan S. Sinton
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Miss Sand F. Smith
Miss Susan M. Smith
Miss Ruth Steffens
Mrs. H. A. Stephens
Mr. Stan Stratton
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Miss Anormallee A. Thomas
Mr. David C. Thomas
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Mr. J. Robert Wilson
Miss Jo Ann Wilson
Mrs. Diane L. M. Wolcott
Dr. Adolphus Wong
Ms. Harumi Yamamoto
Dr. Richard W. Zdarko

Contributing Members

Miss Donna P. Benton
Mr. & Mrs. Fred Hodgkin
Larry & Sharon Jahn
Mr. & Mrs. Bruce Lieberman
Miss Catherine Lucas
Mr. Peter Pike Jr.
Mr. Donald J. McHugh
Mr. Raymond R. Ogburn
Mr. & Mrs. Lyman H. Wilbur
Mr. & Mrs. David L. Wood

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Mr. Christopher E. Mullin, Sr.
Mr. Charles E. Murphy, III

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California Academy of Sciences Newsletter June, 1978